Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/16/2018 09:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124598	-1	1.39	124454	1.34
Blue	F	SSC	125000	123933	-1	3.31	124222	3.05
Blue	E	FITC	23615	22861	-4	2.73	1024	10.66
Blue	D	PE	26739	26513	-1	2.06	953	10.00
Blue	B	PerCP-Cy5-5	48339	47390	-2	3.61	1356	17.42
Blue	A	PE-Cy7	45021	44596	-1	5.25	693	36.35
Red	C	APC	53064	52745	-1	2.83	3018	9.47
Red	A	APC-Cy7	57175	56330	-2	2.83	1183	11.20
Violet	B	V450	14728	14094	-5	5.22	671	9.79
Violet	A	V500	58621	57269	-3	5.04	2537	7.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18896	2.05	608	-6	N/A	N/A	Pass
Blue	F	SSC	61245	1.48	548	2	N/A	N/A	Pass
Blue	E	FITC	112	38.83	545	-3	0.0188	59	Pass
Blue	D	PE	208	29.08	537	1	0.1498	211	Pass
Blue	B	PerCP-Cy5-5	211	45.04	634	-1	0.0094	43	Pass
Blue	A	PE-Cy7	74	121.78	692	-1	0.0112	14	Pass
Red	C	APC	350	27.98	599	2	0.0206	85	Pass
Red	A	APC-Cy7	128	40.07	579	-1	0.0055	1518	Pass
Violet	B	V450	83	42.12	462	-8	0.0430	1757	Pass
Violet	A	V500	185	24.08	490	-7	0.0148	787	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.13	-31.62	0.94
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.34
Red	18.85	14.40 - 21.60	N/A	N/A	31.35	31.84	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13977

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments